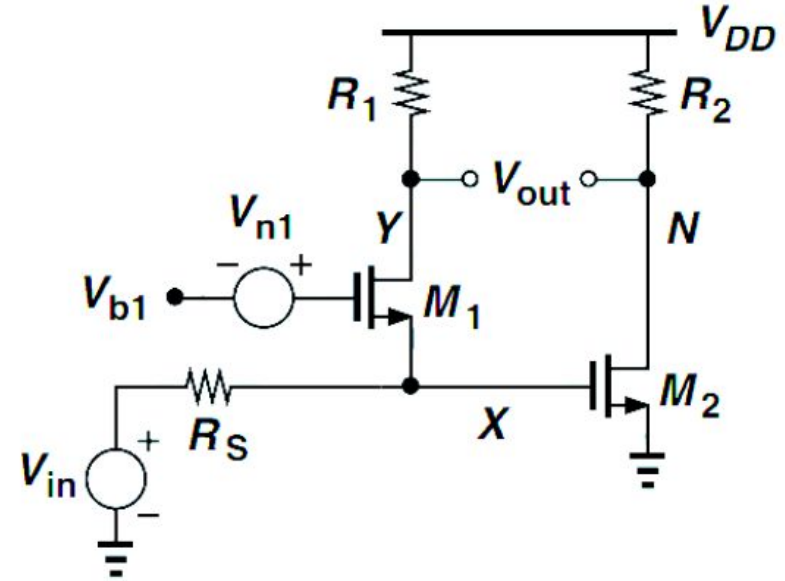


Automating RF Circuit Synthesis

Noise Cancelling LNA

Specifications : (at 1 GHz)

1. Gain ≥ 15 dB
2. Noise Figure ≤ 5 dB
3. $S_{11} \leq -10$ dB
4. IIP3 ≥ -10 dBm
5. Power Dissipation Minimized



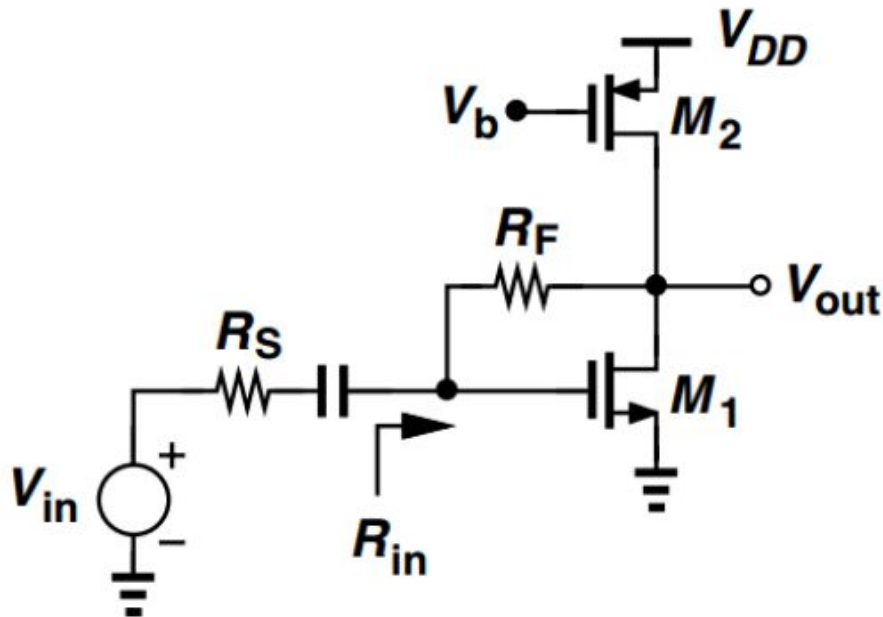
Ref : RF Microelectronics, Razavi

Automating RF Circuit Synthesis

Resistive Feedback LNA

Specifications : (at 1.58 GHz)

1. Gain ≥ 10 dB
2. Noise Figure ≤ 4 dB
3. S11 ≤ -10 dB
4. IIP3 ≥ -15 dBm
5. Power Dissipation Minimized



Ref : RF Microelectronics, Razavi